The background of the entire image is a photograph of a building, likely the Kempenfelt Conference Centre, partially obscured by lush green trees and flowering plants in the foreground. The building has a modern design with large windows and a light-colored facade. The foreground is filled with tall green grass and clusters of small purple and white flowers. A large tree trunk is visible on the left side of the frame.

MathGAiNS
CAMP
Facilitation of Mathematics Professional Learning

2013
Program

*Sponsored by the Ministry of Education
Summer 2013*

*Kempenfelt Conference Centre
Barrie, Ontario*

In this program, you will find:

- The goals and participation guidelines for Math Camp 2013
- Expectations and Opportunities
- The schedule for Math Camp 2013
- Biographies and photos of the facilitation team

Check out the wiki for resources and session materials posted daily: <http://mathcamppp.ca>

Goals

The focus of the learning will be:

- developing effective facilitation skills;
- connecting learning models to the needs of the adult learner;
- building mathematics content knowledge for the learning and teaching of proportional reasoning, algebraic reasoning and fractions.

Participation Guidelines

1. Everyone has wisdom;
2. We need wisdom for the wisest results;
3. There are no wrong answers;
4. The whole is greater than the sum of its parts;
5. Each person will hear others and be heard.

Expectations

Participation in all sessions is expected. Please use the break/meal times to check messages.

Contact Kaye Appleby in the event of an unanticipated absence (e.g., illness).

She is often found in the Camp office (Seminar Rooms E/F).

Opportunities



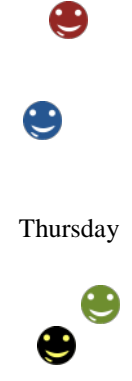

In addition to the rich and interconnected learning opportunities within the plenary and breakout sessions, networking time is built into each day to provide time for Campers to get to know one another and engage in informal focused conversations.

Areas available include:

- Second floor and classrooms 2 and 3 in Bayview
- fire pit on beach

As well, this is a great time to make use of the recreation facilities, including the tennis and volleyball courts, walking trails, bicycles and watercraft.

Schedule

Day	Time	Focus of the Learning
 Tuesday	12:00 pm – 1:00 pm	Lunch
	1:00 pm – 2:00 pm	Regional Breakout 1 – Setting Goals for Math Camp 2013
	2:00 pm – 2:15 pm	Break
	2:15 pm – 4:30 pm	Plenary 1 – Welcome <i>Facilitating Professional Learning: What does it mean to BE a facilitator?</i> with Dr. Cathy Bruce
	4:30 pm – 6:00 pm	Networking time
	6:00 pm – 7:00 pm	Dinner
	7:30 pm – 9:15 pm	Regional Breakout 2 - The Facilitator: Roles, Characteristics, Actions and Strategies
	9:15 pm	Social Time in Bayview Building
 Wednesday	7:30 am – 8:30am	Breakfast
	8:30 am – 10:00 am	Plenary 2 – <i>Facilitating Professional Learning in Mathematics: How is it different, What are we Learning, and What are the Challenges?</i> with Dr. Cathy Bruce
	10:00 am – 10:15 am	Break
	10:15 am – 12:00pm	Regional Breakout 3 – Effective Facilitation of Professional Learning in Mathematics
	12:00 pm – 1:00 pm	Lunch
	1:00 pm – 2:30 pm	Plenary 3 – The Art of Focused Conversations with Eleanor Skead and Danielle Blair
	2:30 pm – 2:45 pm	Break
	2:45 pm – 4:30 pm	Regional Breakout 4 – Applying The Art of Focused Conversations
	4:30 pm – 6:00 pm	Networking time
	6:00 pm – 7:00 pm	Dinner
	7:00 – 8:30 pm	Adobe Connect Readiness – Get the 🍷👍 that your equipment is ready to go for tomorrow. Resources Room OPEN
	Sunset	Campfire and S'mores on the beach (weather permitting)
 Thursday	7:30 am – 8:30am	Breakfast
	In groups, participants will rotate through 4 breakout sessions. Each breakout is focused on the characteristics of and facilitation skills within a specific model or tool for professional learning: Coaching, Collaborative Action Research, using Adobe Connect and Collaborative Inquiry Learning.	
	8:30 am – 10:15 am	PLMT Breakout 1 – Professional Learning Models and Tools
	10:15 am – 10:30 am	Break
	10:30 am – 12:15 am	PLMT Breakout 2 – Professional Learning Models and Tools
	12:15 pm – 1:15 pm	Lunch
	1:15 pm – 3:00 pm	PLMT Breakout 3 – Professional Learning Models and Tools
	3:00 pm – 3:15 pm	Break
	3:15 pm – 5:00 pm	PLMT Breakout 4 – Professional Learning Models and Tools
	5:00 pm – 6:00 pm	Networking time
	6:00 pm – 7:00 pm	Dinner
	7:00 pm – 9:00 pm	Deepening the Learning: Casual Conversations with Regional Breakout Facilitators, Models Breakout Facilitators, Resource Room Open
	9 pm	Social Time and snacks in Bayview Building and Campfire on the beach (weather permitting)
 Friday	7:30 am – 8:30 am	Breakfast
	8:30 am – 10:30 am	Plenary 4 – Consolidating the Learning and Looking Ahead with Shelley Yearley and Sandy DiLena
	10:30 am – 10:45 am	Break
	10:45 am – 12:00 am	Regional Breakout 5 – And Beyond
	12:00pm – 1:00pm	Lunch (brown bagged)

Plenary Facilitators



Dr. Catherine D. Bruce is an Associate Professor at Trent University where she teaches mathematics methods courses at the School of Education and Professional Learning. Her research interests are teacher efficacy, professional learning models, and technology use in mathematics education. Dr. Bruce has two federal research grants and is currently investigating lesson study as a model of professional learning for teachers of young children. Areas of specific mathematics research include spatial reasoning, linear functions and rational numbers. More about her research and publications can be found at www.tmerc.ca.

Eleanor Skead has worked with First Nations for over 40 years, most of which is in the education field. She was raised in Wauzhushk Onigum First Nation and is proud to speak Anishinaabemowin and privileged to practice ancient ceremonies in Treaty #3. Eleanor is currently the Aboriginal Advisor for the Keewatin-Patricia District School Board in Kenora, Ontario.



Regional Breakout Facilitators



Paul Alves is the department head at Fletcher's Meadow Secondary School in the Peel District School Board. He has been involved in the development of a variety of resources and a frequent speaker at provincial and international conferences. Paul is interested in models for helping teachers to deepen their instructional practice and the effective integration of technology to enhance student learning.

Danielle Blair, a vice-principal with the Simcoe County DSB, is currently on assignment as Provincial Math Lead with the Ministry of Education. Danielle has been involved in research projects related to the teaching and learning of Mathematics K to 12 and the facilitation of professional learning for educators for over 10 years. Currently, she is involved in a multi-year research project, "Equity and Math Education: Connecting Anishinaabe Agindaasowin and Western mathematical ways of knowing" with Dr. Ruth Beatty, Lakehead University; Elder Stephen Kejick, Iskatewizaagegan First Nation (Shoal Lake #39), Keewatin-Patricia District School Board and Eleanor Skead, KPDSB Aboriginal Advisor.



Judy Dussiaume recently retired from the Rainbow DSB as a Curriculum Coordinator and lives in Sudbury. During her career, she had leadership roles in many math projects and now she continues to do development work for CLIPS, ePractice and other projects. See Judy if you want to find out more about these on-line resources.

Sharman Howes is recently retired from the Peel District School Board where she was a Mathematical Literacy Resource teacher. She has been an educator for 30 years and works as a Provincial Math Facilitator. Sharman lives in Port Credit with her husband and enjoys trips to the cottage on Lake Huron and visits from her four sons.



Pat Milot, recently retired math consultant with DSBN, is now an independent consultant, Chair of the Professional Development Services Committee (NCTM) and lecturer at Brock University. Pat has written and reviewed math resources for Ontario publishers, has worked on a variety of Ministry projects and is a past president of OMCA. Pat has two daughters and lives with her husband in Ridgeville, Ontario.

Doug Robidoux is currently on leave from the Near North District School board to work with the LNS as a Student Achievement Officer. He has been an educator for 25 years and was an Elementary Coordinator with the NNDSB. Doug lives in North Bay with his family of two children and enjoys sports, reading and the beauty of mathematics.



Diane Stang is happily retired. In between trips to Florida, she feeds her passion for mathematics by engaging in initiatives such as Math Camp and other Ministry projects. Previously, Diane worked in mathematics as a Student Achievement Officer for the Literacy and Numeracy Secretariat, Ministry of Education, and as a Resource Teacher for the Peel District School Board.

For the past 3 years, **Fred Van Elburg** was a Student Achievement Officer with the Literacy and Numeracy Secretariat in Northwestern Ontario. His primary role was to support teachers and principals in their effort to improve student achievement in both literacy and numeracy. He was also the Elementary Coordinator for Lakehead Public Schools where he supported and delivered system initiatives as it pertained to curriculum and programming. Fred is a father of four and lives in Thunder Bay.



Deb Wines is moving into a Secondary Vice Principal role from an Elementary Vice Principal role with Trillium Lakelands DSB. Previously, Deb was a Curriculum Consultant and Instructional Coach, K – 10, with responsibility for facilitating professional learning in Literacy, Numeracy and Differentiated Instruction through a range of models. Debbie's provincial roles include the co-facilitation of Math CAMPPP breakout sessions 2010 and 2012, and the co-facilitation of the 'Professional Learning for Mathematics Leads and Coaches' sessions.

Anne Yeager joins the CAMP facilitation team bringing her experience of 29 years as an educator with the Upper Grand District School Board and 2 years as an Education Officer with the Ministry of Education. Since formal retirement she has continued learning and sharing through involvement in a variety of writing and facilitation projects. Her 3 children have taught her that each child has unique strengths and diverse learning needs, and that every day is special.



Shelley Yearley is currently on assignment with the Ontario Ministry of Education (from TLDSB) as a Provincial Mathematics Lead where she has played a role in the development of a variety of resources as well as been keenly involved in the action research focused on the teaching and learning of fractions in junior and intermediate classrooms. Recently this action research has expanded to include a project focused on examining facilitation of action research. Shelley resides with her family in Huntsville.

Professional Learning Models and Tools Facilitators

Action Research

Tara Flynn is Research Officer and Project Manager for Dr. Cathy Bruce at Trent University. Her interests focus on professional learning models that bridge research-practice gaps in mathematics education. She has worked extensively within the framework of collaborative action research as both a participant and facilitator, and sees collaborative action research as a powerful bridge between research and practice. Tara has worked with over 40 teams engaging in collaborative action research in mathematics education and has written extensively on the subject with Cathy Bruce



Erin Jenkins is a Curriculum Consultant with Trillium Lakelands District School Board. She enjoys working collaboratively, planning district-wide professional learning in mathematics, including CIL-M and this year's Numeracy PD day for all board employees. Erin has a passion for learning how children develop their conceptual understandings in mathematics, and how educator practices can enhance learning for everyone. Erin lives in Oakwood, Ontario with her husband and two children.

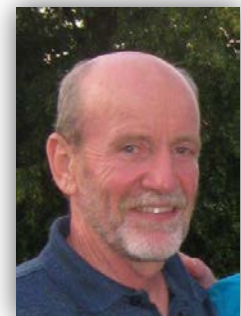
Adobe Connect

Shirley Dalrymple is a recently retired mathematics department head from York Region District School Board, and is currently working as a provincial facilitator. She has twenty years of experience in the classroom and a two-year secondment to the Ministry of Education. Shirley has taken a leadership role in numerous provincial projects including Grade 9 Gap Closing, CLIPS, TIPS4RM MDM4U, TIPS4RM, and TIPS development, OAME Leadership, and the steering committee for the Field's Mathematics Education Forum. Shirley served as an OAME board member for many years and is a past president of OAME.



Bruce McKay is a retired secondary math and computer studies teacher. He has provided Adobe Connect support for the several Adobe workshops and previous Math CAMPPPs. He also assists with the broadcast of OMCA meetings throughout the year. AC Technical Support

Rod Yeager is a retired Mathematics Educator and is pleased to be back at CAMP. He has been involved with Ministry of Education initiatives from the original TIPS to his present role as manager of the EduGAINS website. Rod lives in Orangeville where he enjoys tennis, woodworking and his new guitar.



CIL-M

Jonathan Rajalingam has taught maths in every division over the last 18 years. Starting as a high school maths and geography teacher in England, and moving to Ontario in 2002, he eventually worked his way through the grades to Kindergarten! Jonathan has also been a Curriculum Consultant and is currently the Elementary Programme Coordinator for the Simcoe Muskoka Catholic District School Board. Jonathan is married with one son and spends his spare time skiing, swimming and playing cricket on the beach in Barrie.



Sharon Ulett-Smith's responsibilities as a Student Achievement Officer with The Literacy and Numeracy Secretariat include assisting educational stakeholders to develop best practices for improved student achievement in mathematics learning and teaching. She has been inspired by the dedication of the leading learners in our schools and Boards as she continues her learning with, and from, these devoted professionals, raising the bar, and closing the achievement gap for Ontario students. Sharon lives with her husband and two daughters in Ajax, Ontario.

Coaching

Irene McEvoy is currently a Provincial Mathematics Facilitator and Math Coach working on a variety of ministry Math GAINS projects to support teaching and learning in mathematics. Previously she was an Education Officer at the Ministry of Education; Coordinator of Mathematical Literacy, department head and teacher in the Peel DSB; OAME director; Involved in development of 7-10 TIPS4RM, 7-9 Math TIPS and a member of the Expert Panel for Leading Math Success report, Grades 7-12 and presenter at many workshops and conferences including OAME Annual and Leadership conferences.



John Rodger spent over 30 years as a mathematics teacher and department head with the Peel District School Board. He has been a contributing author on several, secondary school textbook projects, and has worked with both OAME and the Ministry of Education on the development and implementation of the Mathematic Curriculum. In his current role as a Provincial Facilitator of Professional Learning in Mathematics, John supports Math GAINS initiatives for teachers from Kindergarten to Grade 12.

Resource Tour Guides

Myrna Ingalls retired in 2012 as an Education Officer for the Ministry of Education. She enjoyed the challenge of working with large provincial teams to set direction, do research, and develop/provide mathematics implementation supports from 2000 onward. She currently travels extensively in three seasons, gardens and boats in Georgian Bay in summer, and reviews CLIPS and supports Math Camp when those opportunities arise.



Agnes Grafton is currently working as a Provincial Mathematics Lead for the Ontario Ministry of Education. She is part of a team responsible for the development and mobilization of a variety of electronic learning resources including CLIPS and Interactive Electronic Tools. Agnes has worked as a secondary mathematics teacher, department head and secondary program consultant with the Brant Haldimand Norfolk CDSB. In her spare time, Agnes enjoys ballroom dancing, karate, and spending time with her family.

Organization Team

Kaye Appleby serves as a provincial mathematics coach and as project manager for a variety of GAINS initiatives in the province. Her CAMPPP responsibilities include making arrangements for CAMPPP facilities, supporting team leaders, and processing claims for reimbursement of costs. As a retired mathematics educator Kaye has a keen interest in the exciting work underway in Ontario. In her role she is lucky to be able to see the enthusiasm with which many groups work on diverse projects to improve the opportunities available to students across the province.



Sandy DiLena recently joined the Ministry of Education in the Curriculum Learning Resources Policy Unit as an Education Officer. Previously she worked as an Education Officer with EQAO, and a Professional Learning Facilitator in Mathematics and Classroom Educator with Toronto District School Board. Sandy is pleased to be an organizer and co-learner at Math Camp 2013.